

Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 192

Country: Solomon Islands

Part 1: Recent climate

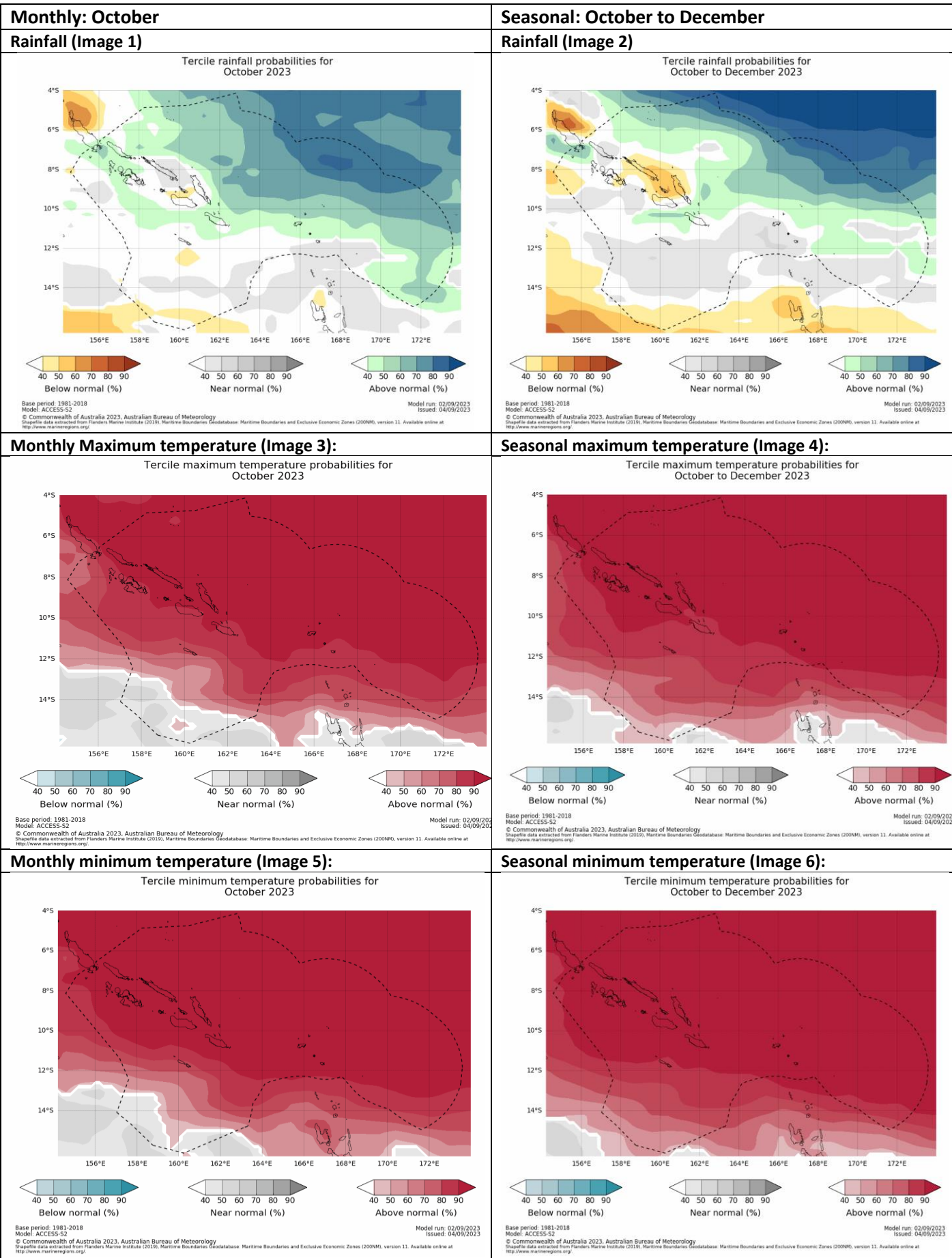
TABLE 1: Monthly Rainfall

Station (include data period)	Jun-2023	Jul-2023	Aug-2023				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
	Auki (1962-2023)	113.9	358.0	252.9	157.0	236.1	
Henderson (1975-2023)	51.9	128.1	89.3	71.1	105.1	88.2	25/49
Honiara (1954-2023)	56.4	173.9	112.4	68.0	107.4	89.2	47/68
Kirakira (1965-2023)	86.0	483.2	102.8	192.6	338.0	258.3	5/56
Lata (1975-2023)	268.1	461.8	324.3	285.6	405.6	322.9	25/49
Munda (1962-2023)	408.9	792.6	365.8	201.9	309.6	266.7	52/62
Taro (1975-2023)	309.5	425.1	409.3	273.5	359.9	293.8	36/46

TABLE 2: Three-month Total Rainfall for June to August 2023

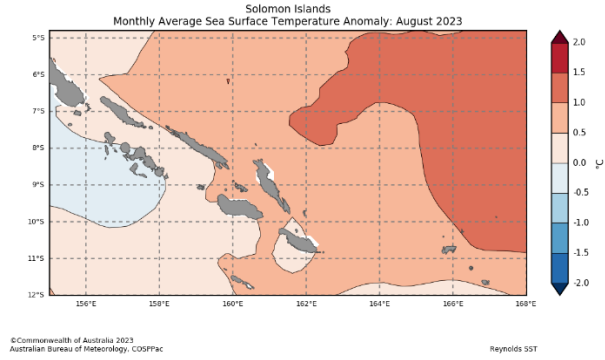
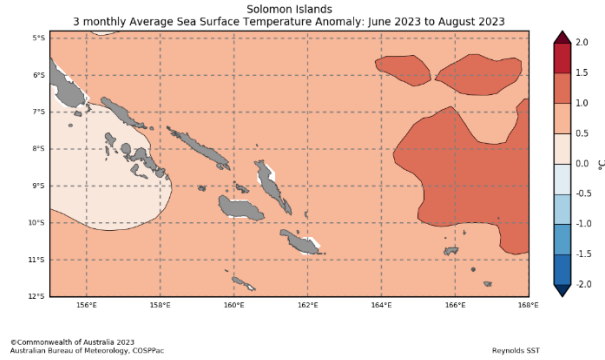
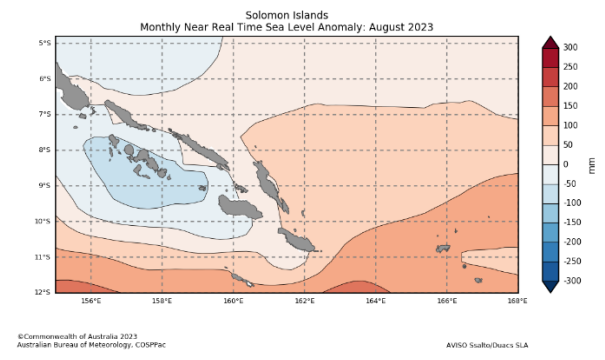
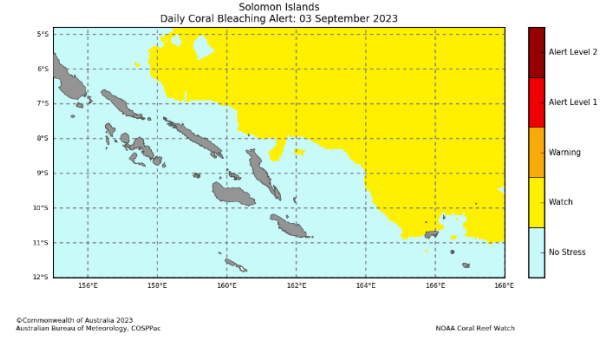
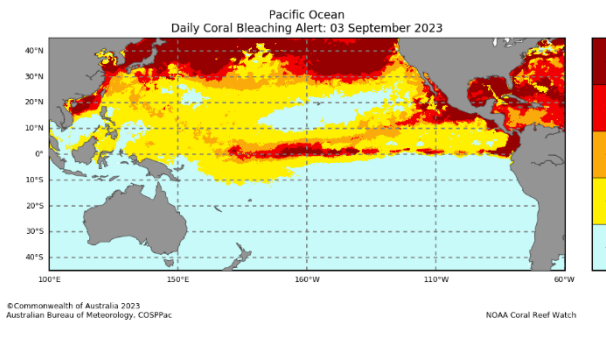
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Auki (1962-2023)	724.8	Above normal	543.4	669.5	605.1	48/61
Henderson (1975-2023)	269.3	Normal	233.1	311.7	255.9	27/49
Honiara (1954-2023)	342.7	Above normal	237.3	316.4	276.1	53/67
Kirakira (1965-2023)	672.0	Below normal	727.2	984.0	887.0	15/56
Lata (1975-2023)	1054.2	Normal	870.4	1196.0	1044.6	26/49
Munda (1962-2023)	1567.3	Above normal	760.1	978.4	835.1	61/62
Taro (1975-2023)	1143.9	Above normal	830.4	991.1	886.1	40/45

Part 1i. Monthly and Seasonal Outlooks for October and October to December 2023

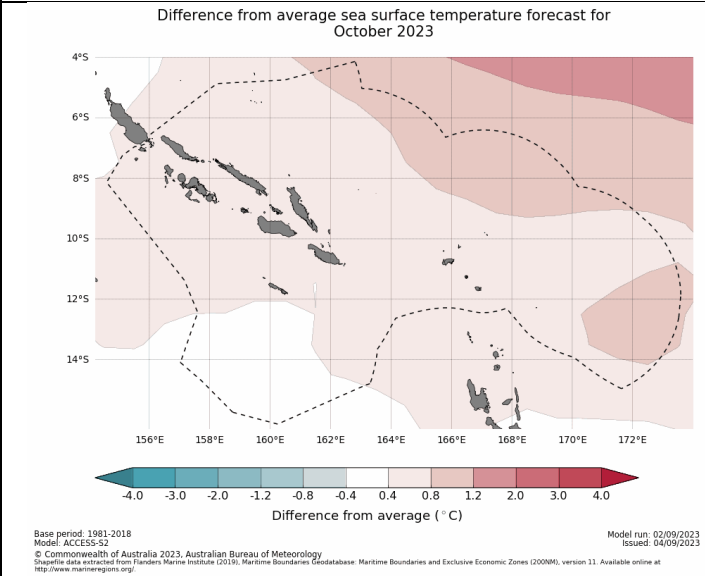
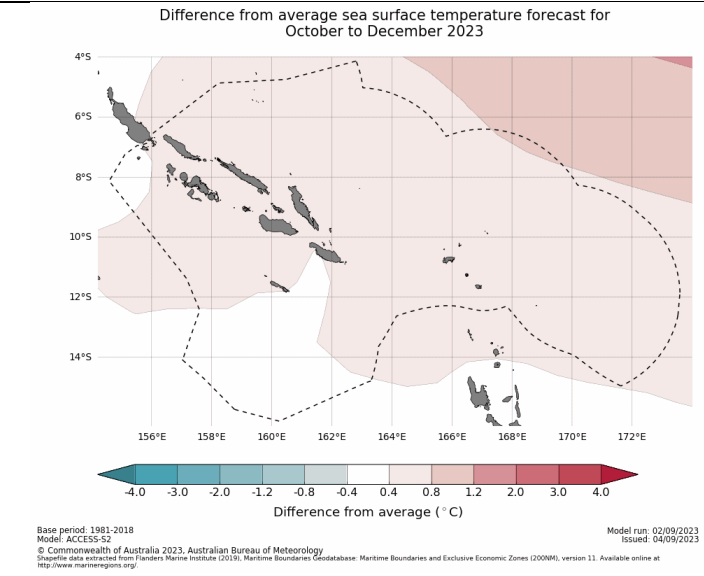
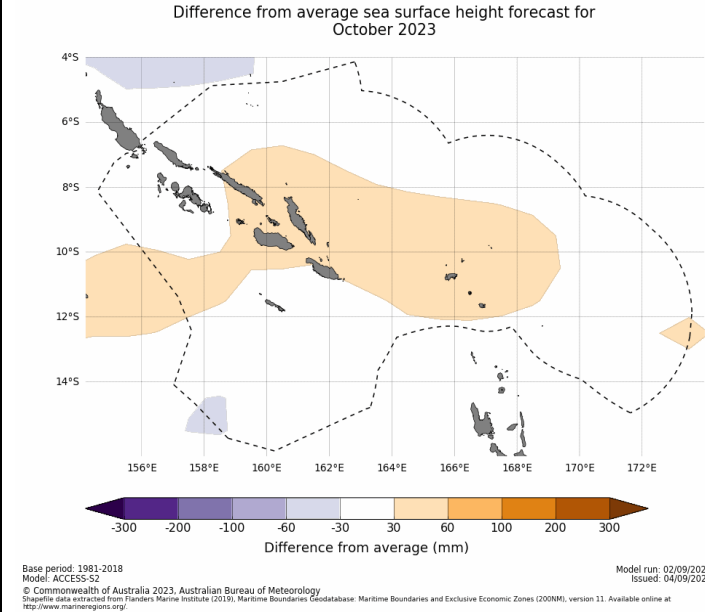
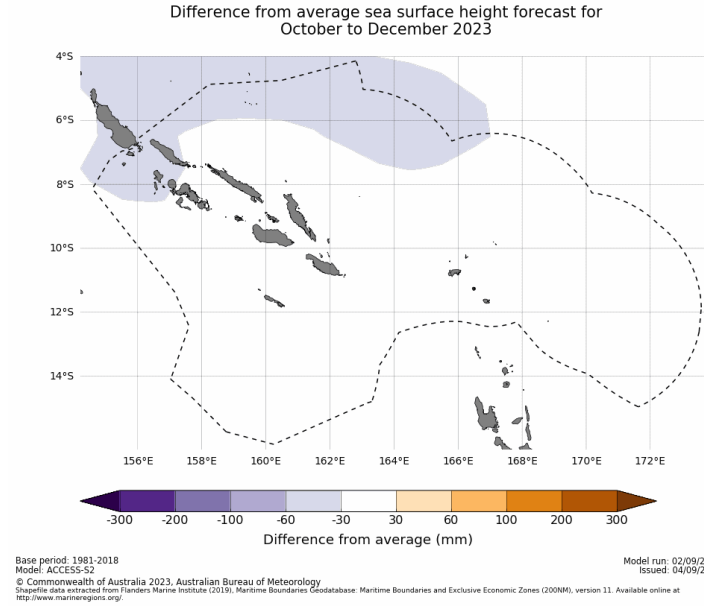
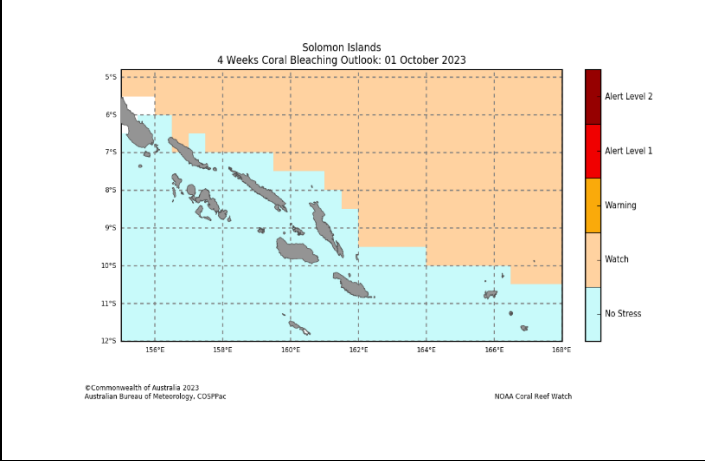
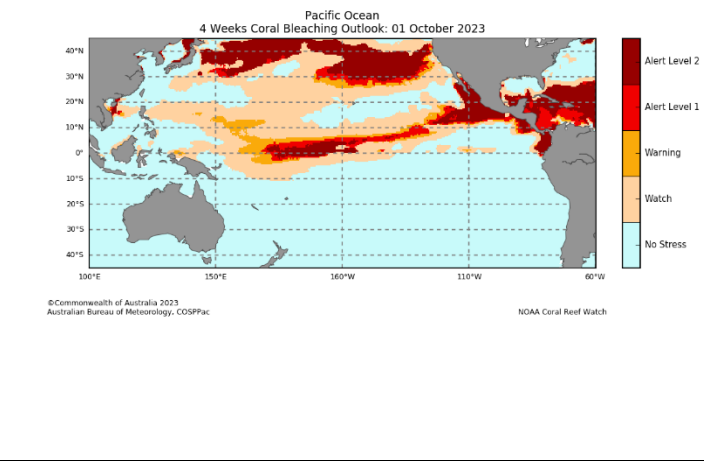


Part 2: Recent Ocean Observation

Monthly/Three months: August and June to August 2023

<p>Monthly: August</p> <p>Sea Surface Temperature (Image 1):</p> 	<p>Last three months: June to August 2023:</p> <p>Sea Surface Temperature (Image 4):</p> 
<p>Sea level (Image 2):</p> 	
<p>Daily coral bleaching alert (Image 3):</p> 	

Part 2i. Monthly and Seasonal Outlooks for October and October to December 2023

Monthly: October	Seasonal: October to December
<p>Monthly sea surface temperature (Image 5):</p> <p>Difference from average sea surface temperature forecast for October 2023</p>  <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, Australian Bureau of Meteorology Shapefile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.maritimerregions.org/</p> <p>Model run: 02/09/2023 Issued: 04/09/2023</p>	<p>Seasonal sea surface temperature (Image 6):</p> <p>Difference from average sea surface temperature forecast for October to December 2023</p>  <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, Australian Bureau of Meteorology Shapefile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.maritimerregions.org/</p> <p>Model run: 02/09/2023 Issued: 04/09/2023</p>
<p>Monthly sea level (Image 7):</p> <p>Difference from average sea surface height forecast for October 2023</p>  <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, Australian Bureau of Meteorology Shapefile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.maritimerregions.org/</p> <p>Model run: 02/09/2023 Issued: 04/09/2023</p>	<p>Seasonal sea level (Image 8):</p> <p>Difference from average sea surface height forecast for October to December 2023</p>  <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, Australian Bureau of Meteorology Shapefile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.maritimerregions.org/</p> <p>Model run: 02/09/2023 Issued: 04/09/2023</p>
<p>4-week Coral Bleaching (Image 9):</p> <p>Solomon Islands 4 Weeks Coral Bleaching Outlook: 01 October 2023</p>  <p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPPac</p> <p>NOAA Coral Reef Watch</p>	<p>Pacific Ocean 4 Weeks Coral Bleaching Outlook: 01 October 2023</p>  <p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPPac</p> <p>NOAA Coral Reef Watch</p>

Summary Statement

Monthly and last three months: August 2023/June to August 2023 statement

For the central region, August rainfall was above normal at Auki and Honiara, near-normal at Henderson, and below normal at Kirakira. In the western region Munda and Taro recorded above normal rainfall, while Lata in the eastern region recorded near-normal rainfall. Kirakira posted its fifth driest August on record.

June to August rainfall was generally near-normal to above normal across the country, except at Kirakira where rainfall was below normal. Munda posted its second wettest June to August on record.

Part 1i. Monthly and Seasonal Outlooks for October and October to December 2023

Monthly /Seasonal rainfall and temperature Outlook statements

October rainfall is likely to be above normal for the western region, the eastern region and Makira province in the central region. Elsewhere is likely to be near-normal.

October to December rainfall is likely to be above normal for the western part of Makira, near-normal for the western and the eastern regions and below normal for most of the central region.

Maximum and minimum temperatures during October and averaged over October to December are very likely to be above normal over the country.

Part 2: Recent Ocean summary statement

Monthly and last three months: August 2023/June to August 2023

Ocean temperatures in August and averaged over June to August 2023 around the Solomon Islands were near normal along the northern islands with the remaining observing above normal anomalies ranging from 0.5 to 1.0°C.

August sea level anomalies around the Solomon Islands' main islands were below normal ranging from –100mm to -50mm along central Solomon Islands, with surrounding waters with near normal anomalies. The southeastern parts of the island were 50mm to 150mm above normal. Coral bleaching alert is on 'Watch' for waters east of Solomon Islands.

Part 2i. Monthly and Seasonal Outlooks for October and October to December 2023

Ocean Variable statement

October and averaged October to December Ocean temperatures around Solomon Islands are predicted to be 0.4 to 0.8 °C above normal.

October sea levels around Solomon Islands are forecasted to be 30mm to 60mm above normal for central and southeastern Solomons, with remaining islands forecasted to be near normal.

Averaged October to December Sea levels around Solomon Islands is forecasted to be –30 mm to -60 mm below normal for northern Solomons with remaining islands forecasted to be near normal.

Coral bleaching outlook predicts 'Watch' for waters east of Solomon Islands.

TABLE 3: Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

Product	Date: August 2023	Stakeholder	Total Number of Participants	Number of males	Number of females	Comments (If there are comments from you Stakeholders)
Climate Bulletin		Red Cross, NDMO, Ministry of Agriculture, SIBC, Hydrology, Solomon star, Paoa FM, World Vision, Glodridge Mining, Ministry of Mines and Energy, MEHRD, Forestry, Ministry of Health, Solomon Water, MECDM, Live and Learn, Tourism, Maritime Service, People with Disability, MID, Ministry of Fisheries, Sol Tuna Ltd, UN Women, Council of Women, Community Representatives	58	46	12	
EAR Watch		Red Cross, NDMO, Ministry of Agriculture, SIBC, Hydrology, Solomon star, Paoa FM, World Vision, Goodridge Mining, Ministry of Mines and Energy, MEHRD, Forestry, Ministry of Health, Solomon Water, MECDM, Live and Learn, Tourism, Maritime Service, People with Disability, MID, Ministry of Fisheries, UN Women, Council of Women	53	39	14	
Ocean Bulletin		Red Cross, NDMO, Ministry of Agriculture, SIBC, Hydrology, Solomon star, Paoa FM, World Vision, Goodridge Mining, Ministry of Mines and Energy, MEHRD	14	9	5	
Total			125	94	31	